

server 3 to the client 4, and the client 4 receives the Web page transmitted from the server 3 and displays it on a screen. When the user inputs the information for designating a character or image in the input frame on the displayed screen, the input contents are transmitted to the server 3. The server 3 forms a Web page on the basis of the input contents in the client 4, and stores it in a storage region with an imparted Internet address.

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the record medium which stored the website automatic creation approach and the control program of the above-mentioned website automatic listing device in the website automatic creation system list which comes to contain the website automatic listing device which creates the web page offered by the WWW (World Wide Web) server on the Internet, and this website automatic listing device.

[0002]

[Description of the Prior Art] In recent years, the users of the Internet are increasing in number quickly and the device which carried web browsers, such as a personal computer and PDA (Personal Digital Assistant: individual humanity news terminal), has also spread quickly.

[0003] And a hosting service and a rental server come to be offered by ISP (Internet Service Provider) etc., and a website can be exhibited even if it is the individual and company which cannot install a server themselves.

[0004] Moreover, for personal computers, much application software for web page creation comes to be offered, a web page is created comparatively simply, and the environment which can exhibit a website is ready.

[0005]

[Problem(s) to be Solved by the Invention] However, even if it is the case where the application software of dedication is used, if in charge of creation of a web page, it is not rare [it] to require the knowledge about computers about HTML (HyperText Markup Language), such as knowledge, or a network.

[0006] From now on, it is predicted that the number of the users using the Internet increases increasingly, and there will be many people [that current hopes to create a web page also in those who do not use the Internet]. However, for people without the elementary knowledge about use of the Internet or a computer, it was also difficult to choose the application software according to one's purpose, and it very difficult to create a web page oneself.

[0007] On the other hand, the advertisement and the propaganda effect of a web page are increasing remarkably by the increment in the use population of the Internet. For this reason, creating a web page and opening to the public by the Internet for many companies, has meaning also with a big management top. However, as mentioned above, it was difficult for the manager and employee of a computer etc. whose knowledge is not enough to create a web page by themselves. For this reason, when requesting web page creation from a vendor reluctantly, a large amount of remuneration was required. Moreover, the vendor had to be asked to change a part of web page, and it had the problem that renewal of a web page was also restricted.

[0008] Then, even if the purpose of this invention is a user without special knowledge, it is to enable it to create a web page easily.

[0009]

[Means for Solving the Problem] This invention is equipped with the following descriptions in order to attain the above-mentioned purpose. In addition, parenthesis writing shows the configuration corresponding to the gestalt of operation as an example during the explanation shown below. A sign etc. is a drawing reference mark mentioned later.

[0010] As opposed to the terminal unit (for example, client 4 shown in drawing 1) with which a user operates invention according to claim 1 A communication line The website automatic listing device which it comes to connect through (for example, the Internet 2 shown in drawing 1) Are (for example, the server 3 shown in drawing 1), and it matches with said user. A website storing means by which the storing field (for example, web space 301 shown in drawing 3 (b)) where the Internet address of a proper was given was prepared (for example, website storing section 300 shown in drawing 2), An arrangement information transmitting means to transmit the arrangement information which shows the arrangement condition of the object in a web page to said terminal unit (for example, CPU31 which performs processing shown in step S28 of drawing 5 (b)), A receiving means to receive the data

transmitted from said terminal unit according to the arrangement information transmitted by said arrangement information transmitting means (for example, CPU31 which performs processing shown in step S29 of drawing 5 (b)), An object is generated based on the data received by said receiving means. A web page creation means to create the web page by which said object has been arranged according to the arrangement information transmitted by said arrangement information transmitting means (for example, CPU31 which performs processing shown in steps S31 and S32 of drawing 5 (b)), It is characterized by having the website storing control means (for example, CPU31 which performs processing shown in step S33 of drawing 5 (b)) which makes the web page created by said web page creation means store in the storing field in which it was prepared by said website storing means.

[0011] Here, URL for specifying the website offered on the Internet as an Internet address etc. is mentioned. This Internet address may contain the domain name of a proper, and may combine the domain name and sub-domain which were given to said server, or may come to combine the domain name of said server, and the directory name in said server. As a web page, moreover, HTML (Hypertext Markup Language) and XML (eXtensible Markup Language), Although the web page described by markup languages, such as DHTML (Dynamic HTML), is mentioned Not the thing limited especially but the thing which consists of only HTML files, for example, GIF (Graphics Interchange Format) and JPEG (Joint Photographic Experts Group), TIFF (Tagged Image File Format), The thing containing the image data file of the format based on specification, such as BMP (bit map), WAV, MP3 (MPEG-1 Audio Layer-III), The thing containing the voice data file of the format based on specification, such as MIDI (Musical Instrument Digital Interface), What [is provided with an external program by CGI (Common Gateway Interface), ASP (Active Server Pages), etc.] It is good if processing by general web browsers, such as a thing including description by script languages, such as a Java script and VB (VisualBasic) script, is possible. Furthermore, you may be the file described by the above-mentioned markup language extended for [, such as pocket mold telephone,] devices. Furthermore, when the object in a web page displays for example, the above-mentioned web page on a display screen with web browser software, it points out the alphabetic character and image which are displayed into this web page.

[0012] According to invention according to claim 1, it is the website automatic listing device which it comes to connect through a communication line to the terminal unit which a user operates. Match with a user at a website storing means, and the storing field where the Internet address of a proper was given is prepared. The arrangement information which shows the arrangement condition of the object in a web page is transmitted to a terminal unit with an arrangement information transmitting means. A receiving means receives the data transmitted from a terminal unit according to the arrangement information transmitted by the arrangement information transmitting means. With a web page creation means An object is generated based on the data received by the receiving means, and the web page by which the object has been arranged according to the arrangement information transmitted by the arrangement information transmitting means is created. By the website storing control means The web page created by the web page creation means is made to store in the storing field in which it was prepared by the website storing means.

[0013] Moreover, the terminal unit with which a user operates invention according to claim 7 As opposed to (for example, the client 4 shown in drawing 1) A communication line The website automatic listing device which it comes to connect through (for example, the Internet 2 shown in drawing 1) The program code for transmitting the arrangement information which is the record medium which stored the control program of (the server [for example,] 3 shown in drawing 1), and specifies the arrangement condition of the object in a web page to said terminal unit, The program code for receiving the data transmitted from said terminal unit according to the transmitted arrangement information, The program code for creating the web page which generates an object based on said received data and by which said object has been arranged according to said arrangement information, It is characterized by storing the program containing the program code for storing said created web page in the storing field which was established in said user by matching and to which the Internet address of a proper was given.

[0014] Therefore, when the user who operates a terminal unit performs the input about an object

according to the screen displayed on a terminal unit based on the arrangement information transmitted from the website automatic listing device, the data of the contents of an input are transmitted to a website listing device, a web page is created, and it is stored in a storing field. Moreover, since the Internet address of a proper is given to the storing field, even if a user does not work acquiring an original domain name etc., the created web page is exhibited on the Internet. Since a web page can be created and exhibited only by a user performing easy actuation by this, even if it is a network, the knowledge of a computer, and a user deficient in use experience, its favorite web page can be created and exhibited easily.

[0015] Since the arrangement information which shows the arrangement condition of the object in a web page is especially transmitted from a website listing device to a terminal unit, arrangement of the object in a web page is beforehand defined, even if a user does not specify. Therefore, since a user does not need to originate all the configurations of a web page, even if it is an unfamiliar user, a web page can be created easily. Moreover, since a web page can be created easily, after creating a web page, a web page can be easily updated by replacing with the web page which newly created the web page and was created previously. Thereby, obsolescence of a web page is prevented and the maintenance of a web page can be easily performed by few efforts.

[0016] Invention according to claim 2 is characterized by said arrangement information transmitting means transmitting the arrangement information for displaying on said terminal unit a screen (for example, top page edit display 410 shown in drawing 7) including the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object in a website automatic listing device according to claim 1.

[0017] According to invention according to claim 2, the arrangement information for displaying on a terminal unit a screen including the input area for inputting the information which shows the location where an object is arranged in a web page by the arrangement information transmitting means, and the information which specifies an object is transmitted.

[0018] Therefore, the user using a terminal unit should just input the information which specifies an object as input area, looking at the screen where the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object was displayed. Since a web page can be easily created according to a thereby more easy activity, a web page can be created even if it is the shallow unfamiliar user of experience.

[0019] In addition, the thing constituted by the web page in the arrangement information transmitted by the arrangement information transmitting means which a website automatic listing device has, then a terminal unit can realize easily the WWW (World Wide Web) browser which has generally spread widely here that what is necessary is just available.

[0020] Invention according to claim 3 is set to a website automatic listing device according to claim 1 or 2. For said website storing means Two or more storing fields where the identification information of a proper was given with the Internet address of a proper, respectively are prepared. Said website storing control means It is characterized by making the web page created by said web page creation means store in the storing field to which the identification information transmitted from said terminal unit was received, and the identification information which received, and identification information in agreement were given.

[0021] Two or more storing fields where the identification information of a proper was given to the website storing means with the Internet address of a proper, respectively according to invention according to claim 3 are prepared, and a website storing control means makes the web page created by the web page creation means store in the storing field to which the identification information transmitted from a terminal unit was received, and the identification information which received, and identification information in agreement were given.

[0022] Therefore, in a website automatic listing device, the created web page is stored in the storing field corresponding to the transmitted identification information by transmitting identification information from a terminal unit. Thereby, in a website automatic listing device, service of website automatic creation can be efficiently offered to two or more users. Moreover, since the web page in the

storing field assigned to itself can be created and updated for example, even if it uses which terminal unit if the user ID, then the user of a proper are a terminal unit connectable with a website automatic listing device about identification information at each user, the convenience of a website automatic listing device can be raised further.

[0023] Moreover, it is also easy to consider as the configuration which attests the user who uses a terminal unit by the website automatic listing device, for example using the identification information transmitted from a terminal unit. In this case, the dependability of the website automatic listing device in a security side can be raised further.

[0024] Invention according to claim 4 is characterized by said arrangement information transmitting means transmitting the arrangement information specified by said terminal unit among said two or more different arrangement information (for example, page patterns 461 and 462,463,464,465 shown in drawing 12) to said terminal unit in a website automatic listing device given in either of claims 1-3.

[0025] According to invention according to claim 4, an arrangement information transmitting means transmits the arrangement information specified by the terminal unit among two or more different arrangement information to a terminal unit.

[0026] Therefore, the user using a terminal unit can create a web page using the arrangement information on desired out of different arrangement information. For example, if the arrangement information on desired is chosen out of two or more arrangement information that the layouts of an object differ, the web page suitable for liking of it can be created with a higher degree of freedom. Moreover, for example, in case two or more web pages are created, the web page which was rich in the variation can be created by changing the arrangement condition of the object in each web page. For this reason, the web page which is more rich in interest nature can be created by easy actuation.

[0027] The terminal unit (for example, client 4 shown in drawing 1) with which a user operates invention according to claim 5, and a website automatic listing device It is the website automatic creation system (1) which it comes to connect through a communication line (for example, Internet 2 shown in drawing 1). (For example, server 3 shown in drawing 1) The storing field where said website automatic listing device was matched with said user, and the Internet address of a proper was given A website storing means by which (for example, the web space 301 shown in drawing 3 (b)) was formed (for example, website storing section 300 shown in drawing 2), The information which shows the location where an object is arranged in a web page, A screen including the input area for inputting the information which specifies an object An arrangement information transmitting means to transmit the arrangement information for displaying (for example, the top page edit display 410 shown in drawing 7) on said terminal unit (for example, CPU31 which performs processing shown in step S28 of drawing 5 (b)), An input data receiving means to receive the input data transmitted from said terminal unit according to the arrangement information transmitted by said arrangement information transmitting means (for example, CPU31 which performs processing shown in step S29 of drawing 5 (b)), An object is generated based on the input data received by said input data receiving means. A web page creation means to create the web page by which said object has been arranged according to the arrangement information transmitted by said arrangement information transmitting means (for example, CPU31 which performs processing shown in steps S31 and S32 of drawing 5 (b)), The website storing control means which makes the web page created by said web page creation means store in the storing field in which it was prepared by said website storing means It comes to have. (For example, CPU31 which performs processing shown in step S33 of drawing 5 (b)) Said terminal unit A receiving means to receive the arrangement information transmitted by the arrangement information transmitting means which said website automatic listing device has (for example, CPU41 which performs processing shown in step S13 of drawing 5 (a)), A display means to display a screen including the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object based on the arrangement information received by said receiving means Where said screen is displayed as (for example, CPU41 which performs processing shown in step S13 of drawing 5 (a)) by said display means An input means to input the information which specifies an object (for example, CPU41 which performs processing shown in step S14 of drawing 5 (a)), It is characterized

by having a transmitting means (for example, CPU41 which performs processing shown in step S16 of drawing 5 (a)) to transmit to said website automatic listing device by using as input data information inputted by said input means.

[0028] Moreover, the terminal unit with which a user operates invention according to claim 6 (For example, the client 4 shown in drawing 1), and a website automatic listing device It is the website automatic creation approach in the website automatic creation system (1) which it comes to connect through a communication line (for example, Internet 2 shown in drawing 1). (For example, server 3 shown in drawing 1) The information which shows the location where an object is arranged in a web page by said website automatic listing device, A screen including the input area for inputting the information which specifies an object The data which transmit the arrangement information for making it display with said terminal unit, and are transmitted from said terminal unit according to said transmitted arrangement information are received. Based on said received data, generate an object, and the web page by which said object has been arranged according to said arrangement information is created. While said created web page is stored in the storing field which was established in said user by matching and to which the Internet address of a proper was given, with said terminal unit Receive the arrangement information transmitted from said website automatic listing device, and it is based on said received arrangement information. Where it displayed the screen including the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object and said screen is displayed An input of the information which specifies an object is characterized by transmitting to said website automatic listing device by using inputted information as input data.

[0029] Therefore, the user using a terminal unit should just input the information which specifies an object as input area, looking at the screen where the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object was displayed. Moreover, since the Internet address of a proper is given to the storing field, even if a user does not work acquiring an original domain name etc., the created web page is exhibited on the Internet. Since a web page can be created and exhibited only by a user performing easy actuation by this, even if it is a network, the knowledge of a computer, and a user deficient in use experience, its favorite web page can be created and exhibited easily.

[0030]

[Embodiment of the Invention] Hereafter, the gestalt of desirable operation of this invention is explained based on a drawing. Drawing 1 is drawing showing typically the configuration of the website automatic creation system 1 as a gestalt of operation of this invention. As shown in this drawing, the website automatic creation system 1 is constituted by the server 3 connected to the Internet 2, respectively, a client 4 and a client 5, and --.

[0031] In addition, the Internet 2 is constituted including various communication lines, the various servers which are not illustrated, such as a dedicated line, a dial-up line, and a satellite communication circuit, and especially the concrete mode is not limited. Moreover, although it is good also as a configuration to which various devices, such as a server of a server 3, a client 4 and a client 5, and -- which ISP (Internet Service Provider), NSP (Network Service Provider), etc. offer, and a firewall, intervene between each equipment and the Internet 2, it does not illustrate here.

[0032] A server 3 is a server which has functions, such as a WWW (World Wide Web) server connected to the Internet 2, and the domain name of a proper is assigned.

[0033] A client 4 is software, hardware, or a terminal unit that has the WWW browser (following, web browser) function realized by both collaboration, is specifying a predetermined Internet address by URL (Uniform Resource Locators) etc., can access the website of arbitration through the Internet 2, and can peruse a web page. Moreover, a client 4 displays the web page transmitted by the web browser from a server 3 on the display screen.

[0034] In addition, the client 4 is equipped with the input device of mouse 45a mentioned later or keyboard 45b, and it is possible to transmit the data inputted by actuation in these equipments to a server 3 through the Internet 2.

[0035] Like a client 4, a client 5 and -- are the terminal units which carried the web browser, are specifying a predetermined Internet address by URL etc., can access the website of arbitration through the Internet 2, and can peruse a web page.

[0036] Are transmitted and received between a server 3, a client 4 or a client 5, and -- here. As a web page which can be perused by the client 4 and the client 5, and -- Although the web page described by markup languages, such as HTML (Hypertext Markup Language), and XML (eXtensible Markup Language), DHTML (Dynamic HTML), is mentioned Not the thing limited especially but the thing which consists of only HTML files, for example, GIF (Graphics Interchange Format) and JPEG (Joint Photographic Experts Group), TIFF (Tagged Image File Format), The thing containing the image data file of the format based on specification, such as BMP (bit map), WAV, MP3 (MPEG-1 Audio Layer-III), The thing containing the voice data file of the format based on specification, such as MIDI (Musical Instrument Digital Interface), What [is provided with an external program by CGI (Common Gateway Interface), ASP (Active Server Pages), etc.] It is good if processing by general web browsers, such as a thing including description by script languages, such as a Java script and VB (Visual Basic) script, is possible. Furthermore, you may be the file described by the above-mentioned markup language extended for [, such as pocket mold telephone,] devices.

[0037] Drawing 2 is the block diagram showing the configuration of a server 3. As shown in this drawing, a server 3 is equipped with CPU (Central Processing Unit)31, RAM (Random Access Memory)32, storage 33, CCE 34, an input device 35, and an indicating equipment 36, and is constituted, and each part is mutually connected by the bus 37. Moreover, in a store 33, User Information storing section 33a and the website storing section 300 are stored.

[0038] CPU31 carries out drive control of each part of a server 3 by reading the system program stored in storage 33, and developing and performing to the work area established in RAM32. For example, CPU31 reads and performs the communication control program stored in storage 33, carries out drive control of the communication controller 34, and the communication line between the Internet 2 is established. CPU31 moreover, by reading and performing the application program stored in storage 33 based on the directions input in an input unit 35, or the directions received with the communication controller 34 The function as a WWW server is realized, and while offering perusal service of a web page to the client 4 connected through the Internet 2, a client 5, and --, automatic creation service of a website is offered to a client 4.

[0039] If access from a client 4 is detected with a communication controller 34, CPU31 will read and perform the website creation service program stored in the store 33, and, specifically, will transmit data, such as an HTML file for displaying the authentication screen 400 mentioned later as a web page to a client 4. And when the data of ID and a password were transmitted from the client 4 while displaying the authentication screen 400, and authentication of the ID and the password which were transmitted is performed and it succeeds in authentication, it searches for the web space which matched with the client 4 and was prepared in the website storing section 300 in a store 33. And CPU31 creates a web page by arranging suitably the data which transmit the data for displaying the screen for website creation to a client 4, and are transmitted from the client 4 as which the screen for website creation was displayed. Then, CPU31 creates the website of the user using a client 4 by storing the created web page in the web space for which it searched previously.

[0040] RAM32 forms the work area which stores temporarily the data concerning the system program performed by CPU31, various application programs, and these programs etc.

[0041] Storage 33 has the storage (illustration abbreviation) which consists of a magnetic and optical record medium or semiconductor memory, and memorizes various programs, data, etc. to this storage (illustration abbreviation). In addition, a program, data, etc. which are memorized to this storage (illustration abbreviation) may make those part or all the configuration which receives and memorizes from a communication controller 34 through a communication line etc. from other devices, and a storage (illustration abbreviation) may be a storage which other servers built on the network of Internet 2 grade have further. Moreover, a store 33 stores User Information storing section 33a and the website storing section 300 which are mentioned later.

[0042] CCE 34 A modem (MODEM:MOdulator/DEModulator), An ADSL (Asymmetric Digital Subscriber Line) modem and a splitter, It is constituted by a cable modem, a terminal adapter (TA:Terminal Adapter), DSU (Digital Service Unit), etc. Communication lines, such as a dedicated line which becomes with the telephone line, an ISDN (Integrated Services Digital Network) circuit, an ADSL circuit, a cable television circuit, or an optical fiber, are minded. Control for performing the communication link with external instruments, such as the client 4 connected to the Internet 2, a client 5, and --, is performed.

[0043] The input device 35 has pointing devices equipped with a numerical keypad, a letter key, various function keys, etc., such as a keyboard, a mouse, and a tablet, and outputs the actuation signal corresponding to the key operated on the keyboard, or an actuation signal including the positional information accompanying actuation of a pointing device to CPU31.

[0044] The display 36 has the display screens, such as CRT (Cathode Ray Tube) and LCD (Liquid Crystal Display), and displays the data about the application program under activation, the data received with CCE 34 via the Internet 2, the data concerning the operating state of each part of a server 3, etc. on the above-mentioned display screen by CPU31.

[0045] Here, User Information storing section 33a and the website storing section 300 which are stored in a store 33 are explained to a detail. Drawing 3 is drawing showing the configuration of User Information storing section 33a stored in a store 33, and the website storing section 300, (a) is drawing showing typically the configuration of User Information storing section 33a, and (b) is drawing showing the configuration of the website storing section 300 typically.

[0046] As shown in drawing 3 (a), for every user, information, such as user ID assigned to each user and an e-mail address given to a password, a contractor name, the contractor telephone number, and a contractor, and the Internet address of the web space which matched with each user and was prepared in the website storing section 300 match, and are stored in User Information storing section 33a. In addition, the information stored in User Information storing section 33a can be managed in a table format as shown in drawing 3 (a), and from consideration of a security side, a password is enciphered, and it turns down here, and is expressed by the character.

[0047] the user ID "12345678" shown in the left end for example, in drawing 3 (a) -- beforehand -- laws -- ** -- a password -- the contractor name " , Inc. OO ***" is stored. That is, the user of user ID "12345678" is a user who has Above ID as a corporation, and the telephone number "03-4567-8901" is stored as the contact. Moreover, the e-mail address "ra-men1@autohp.com" belonging to the domain name assigned to the website storing section 300 is given to this user. In this example, the server 3 which has a domain name "autohp.com" offers the function as a mail server to a user. Furthermore, to this user, the Internet address "ra-men1.autohp.com" which comes to give the domain name of the website storing section 300 a sub-domain name is given. This Internet address can be used as URL for accessing the web space which matched with this user and was prepared in the website storing section 300.

[0048] As shown in drawing 3 (b), in the website storing section 300, two or more web spaces of web space 301,302 grade are prepared. Each of these web spaces are matched with the information stored in User Information storing section 33a shown in drawing 3 (a). For example, the web space 301 is matched with user ID "12345678." That is, a web space 301 is a storing tooth space provided for the user " , Inc. OO ***" who has the user ID "12345678" stored in User Information storing section 33a by matching.

[0049] The web space of web space 301,302 grade is constituted as a directory created in the website storing section 300. For this reason, each web space can also be specified by "http://www.autohp.com/ra-men1/" which gave the directory name to the domain name "autohp.com" of the website storing section 300. This URL is the real address of the web space 301 in the website storing section 300. Therefore, of course, it is possible to access a web space 301 through the Internet 2 using this URL from a client 4, a client 5, and -- (drawing 1), and it is also possible to also open to the public as an ostensible Internet address and to replace with these real addresses and to use a virtual domain, although it is possible.

[0050] However, there is an inclination for URL to become complicated, in the real address. Since whenever [an effect of advertising or cognitive] is especially important on the website of a company, it is important to make URL intelligible using a sub-domain name.

[0051] For this reason, in User Information storing section 33a, the Internet address "ramen1.autohpc.com" including a sub-domain name is given to the user using a web space 301. "http://ramen1.autohpc.com/", then URL can be made intelligible for URL for accessing to a web space 301 using this, and improvement in convenience can be aimed at.

[0052] Moreover, for example, the real address of a web space 302 shown in drawing 3 (b) turns into the Internet address "http://www.autohpc.com/bread/." However, by using a virtual domain, URL "http://bread.autohpc.com/" which comes to give [a sub-domain] the domain name "autohpc.com" which the website storing section 300 has serves as an Internet address for accessing a web space 302, and the sub-domain "bread.autohpc.com" is set also as User Information storing section 33a.

[0053] In addition, it is also possible to use an original domain name, for example, "http://www.bread.com/", unrelated to the domain name "autohpc.com" which the website storing section 300 has for the Internet address of the web space prepared in the website storing section 300, and it is also possible to use the real address as it is. Moreover, the technique of the virtual domain made accessible using a different Internet address from the real address which was mentioned above is already well-known in technical fields, such as a network technique.

[0054] Thus, since the server 3 which has the website storing section 300 has the domain "autohpc.com" of a proper, it can give the Internet address which attached the sub-domain name to the web space in the website storing section 300 of web space 301,302 grade. For this reason, the user using the web space in the website storing section 300 can create a website, without taking the necessary procedure for domain Natori profit.

[0055] Moreover, multiple files are storable in the web space of the web space 301,302 grade in the website storing section 300. These files are the web pages described by HTML, and as shown in drawing 3 (b), file names, such as "index.htm" and "menu.htm", are given. The directory which the file organization in such a web space is the same configuration as the general website offered by WWW using the Internet 2, and may store the various image files other than two or more HTML files, or contains multiple files further forms a hierarchy, and may be made to be built.

[0056] Furthermore, the user ID of the user using this web space is set to the web space prepared in the website storing section 300, and the information which shows further the password which is not illustrated is given. This password is the same as the password which matched with this user and was set as User Information storing section 33a.

[0057] Therefore, in a server 3, in case a user's ID and password are transmitted from a client 4, it can attest by the web space in the website storing section 300 further after the authentication based on the information in User Information storing section 33a. Thereby, the dependability in a security side can be raised further.

[0058] Then, the configuration of a client 4 is explained. Drawing 4 is the block diagram showing the configuration of a client 4. As shown in this drawing, a client 4 is equipped with CPU41, RAM42, storage 43, CCE 44, an input device 45, and indicating-equipment 46 grade, and becomes, and these each part is mutually connected by the bus 47. Moreover, the input device 45 is equipped with mouse 45a and keyboard 45b which are shown in drawing 1 .

[0059] CPU41 reads the system program stored in storage 43 according to the alter operation in mouse 45a or keyboard 45b which an input device 45 has, and develops and performs it to the work area established in RAM42, drive control of each part of a client 4 is carried out, for example, the Internet 2 is minded and the data between servers 3 are made to transmit and receive with CCE 44.

[0060] Moreover, CPU41 realizes the various functions in a client 4 by reading and performing the various application programs stored in storage 43 according to the directions input in an input unit 45. By reading and performing the web browser program stored in the store 43, CPU41 generates the display information for displaying the web page which received through CCE 44, outputs it to an indicating equipment 46, and, specifically, displays a web page on the screen of an indicating equipment

46.

[0061] Furthermore, CPU41 will display the screen based on the data which were made to receive this data with CCE 44, and were received with a display 46, if it accesses to a server 3 and the data of a web page are transmitted from a server 3 by CCE 44. And CPU41 is in the condition that the web page was displayed with the display 46, and if alter operation in an input device 45 is performed and the contents of an input are decided, it will transmit the inputted data to a server 3.

[0062] RAM42 forms the work area which stores temporarily the data concerning the system program performed by CPU41, various application programs, and these programs etc.

[0063] Storage 43 has the storage (illustration abbreviation) constituted by a magnetic and optical record medium or semiconductor memory, and memorizes various programs, data, etc. to this storage (illustration abbreviation). In addition, a program, data, etc. which are memorized to this storage (illustration abbreviation) may make those part or all the configuration which receives and memorizes from a communication controller 44 through a communication line etc. from other devices, and a storage (illustration abbreviation) may be a storage which other servers built on the network of Internet 2 grade have further.

[0064] CCE 44 A modem (MODEM:MOdulator/DEModulator), An ADSL (Asymmetric Digital Subscriber Line) modem and a splitter, It is constituted by a cable modem, a terminal adopter (TA:Terminal Adapter), DSU (Digital Service Unit), etc. Communication lines, such as a dedicated line which becomes with the telephone line, an ISDN (Integrated Services Digital Network) circuit, an ADSL circuit, a cable television circuit, or an optical fiber, are minded. Control for performing the communication link with external instruments, such as the server 3 connected to the Internet 2, and a client 5, --, is performed.

[0065] An input device 45 outputs the actuation signal corresponding to the key which generated the actuation signal which comes to have keyboard 45b equipped with pointing devices shown in drawing 1, such as mouse 45a, a numerical keypad, a letter key, various function keys, etc., and contains the existence and the relative-position coordinate data of actuation in mouse 45a, and outputted to CPU41, and was operated in keyboard 45b to CPU41.

[0066] The display 46 has the display screens, such as CRT and LCD, and displays the data about the application program under activation, the web page which received with CCE 44 via the Internet 2 on the above-mentioned display screen by CPU41 based on the display information inputted from CPU41.

[0067] Next, actuation of the website automatic creation system 1 in the gestalt of this operation is explained. Drawing 5 is a flow chart which shows the website creation processing in the website automatic creation system 1, (a) shows actuation of a client 4 and (b) shows actuation of a server 3. In addition, in the following explanation, each processing of steps S11-S18 is processing included in the actuation of a client 4 shown in drawing 5 (a), and each processing of steps S21-S33 is processing included in the actuation of a server 3 shown in drawing 5 (b).

[0068] Access to a server 3 from a client 4 is performed through the Internet 2, and the website creation processing shown in drawing 5 is started by requiring website creation processing at the time of this access.

[0069] CPU31 which a server 3 has controls CCE 34, and the authentication screen which is a web page for entering ID and a password is first transmitted to a server 3 (step S21).

[0070] If a communication controller 44 receives the authentication screen transmitted from the server 3, CPU41 which a client 4 has will display the received authentication screen on an indicating equipment 46, and will receive the actuation input by mouse 45a which an input device 45 has, and keyboard 45b. And the user ID and the password which were entered by actuation in an input device 45 are transmitted to a server 3 (above, step S11).

[0071] If a communication controller 34 receives the user ID and the password which were transmitted from the client 4, CPU31 It collates with the user ID which received, and the information in which the password was stored by User Information storing section 33a in storage 33 (step S22). When not in agreement with the information for which the user ID which received, and a password were stored in User Information storing section 33a, the authentication failure error screen in which (step S23; No) and

the purport that authentication went wrong are shown and which is a web page is transmitted to a server 3 (step S24), and this processing is ended.

[0072] In this case, if a communication controller 44 receives the authentication failure error screen transmitted from the server 3 (step S12; Yes), it will shift to step S18, and CPU41 will display the received authentication failure error screen with a display 46, and will end this processing.

[0073] Moreover, in step S23, CPU31 of a server 3 performs collating to the user ID and the password which were given to (step S23; Yes), then the web space prepared in the website storing section 300, when in agreement with the information for which the user ID transmitted from the client 4 and a password were stored in User Information storing section 33a (step S25).

[0074] Here, when there is no web space the user ID which received, and whose password correspond in the website storing section 300, it shifts to (step S26; No) and step S24. Moreover, when the web space the user ID transmitted from the client 4 and whose password correspond exists in the website storing section 300, it searches for the web space corresponding to the user ID transmitted from the client 4 out of the web space in (step S26; Yes) and the website storing section 300 (step S27). And CPU31 transmits the creation screen for creating a web page in the web space corresponding to user ID to a client 4 (step S28).

[0075] CPU41 of a client 4 will display the received creation screen with a display 46, if a communication controller 44 receives the creation screen transmitted from the server 3 (step S13). When alter operation of a text, such as an input and image assignment, was performed (step S14), CPU31 stands by to the directions which show completion of an input (step S15) and an input is completed here by actuation of mouse 45a in an input device 45, or keyboard 45b, the contents of an input in (step S15; Yes) and step S14 are transmitted to a server 3 (step S16). In addition, when the input which specifies an image at step S14 is made, CPU41 reads the data of the corresponding image from a store 43, and transmits them to a server 3 with the contents of an input.

[0076] CPU31 of a server 3 will distinguish whether the received contents of an input are retransmission of message, if the contents of an input transmitted from the client 4 are received (step S29) (step S30). Here, it is indicated to be retransmission of message that the contents of an input are transmitted over multiple times about the same web page by the user who has the same user ID. Although mentioned later for details, about the web page created when the user using a client 4 performed alter operation for example, a user wishes to correct and the case where this web page is updated is mentioned. In this case, a user performs alter operation again on the same creation screen, and should just make the contents of an input transmit to a server 3 again.

[0077] CPU31 of a server 3 carries out renewal of overwrite based on the contents of an input which received the data of (step S30; Yes) and the web page which was already created and was stored in the web space at step S29, when the contents of an input transmitted from the client 4 are retransmission of message (step S31), and it shifts to step S33. Moreover, when the contents of an input transmitted from the client 4 are not retransmission of message, (step S30; No) and CPU31 create a web page based on the contents of an input transmitted from the client 4, and shift to step S33.

[0078] In step S33, CPU31 matches with the user ID of the user using a client 4 the web page created at step S31 or step S32, stores it in the web space prepared in the website storing section 300, and ends this processing.

[0079] In addition, in a client 4, CPU41 returns to step S13, when this processing will be ended and processing will not be completed, if it distinguished whether creation processing of a web page was completed (step S17) and processing was completed after transmitting the contents of an input at step S16. In addition, in step S30 of drawing 5 (b), the contents of the input performed by returning to step S13 here are distinguished by CPU31 as it is retransmission of message.

[0080] In addition, of course in the web page creation processing shown in above-mentioned drawing 5 (a) and above-mentioned drawing 5 (b), it is also possible to use security protection techniques, such as SSL (Secure Sockets Layer), about some or all of data that is transmitted and received between a server 3 and a client 4.

[0081] Subsequently, the mode of the data processed in the web page creation processing shown in

drawing 5 is explained to a detail.

[0082] Drawing 6 is drawing showing the example of the authentication screen 400 which is transmitted to a client 4 by CPU31 at step S21 of drawing 5 (b), and is displayed on the display 46 of a client 4. In the authentication screen 400 shown in drawing 6, the input box 401 is arranged in the center and the transmitting carbon button 402 and the reset button 403 are arranged at the lower part.

[0083] In step S11 of drawing 5 (a), user ID and a password are entered into the input box 401 in the authentication screen 400 by actuation in keyboard 45b. In the example shown in drawing 6, the inputted user ID "12345678" is displayed on the input box 401. In addition, in consideration of security, a password is turned down and displayed with a character "*." After the input in the input box 401, if selection assignment of the transmitting carbon button 402 is carried out by actuation of mouse 45a or keyboard 45b, the contents inputted into the input box 401 will be transmitted to a server 3. Moreover, if selection assignment of the reset button 403 is carried out by actuation of mouse 45a or keyboard 45b, the contents of an input in the input box 401 will be cleared.

[0084] Drawing 7 is drawing showing the top page edit display 410 as an example of the creation screen which is transmitted to a client 4 by CPU31 at step S28 of drawing 5 (b), and is displayed on the indicating equipment 46 of a client 4 at step S13 of drawing 5 (a). Moreover, drawing 8 is drawing showing the situation of the alter operation in the top page edit display 410 shown in drawing 7, (a) shows the situation of the alter operation in the background input section 412, (b) shows the situation of the alter operation in the title LOGO input section 413, and (c) shows the situation of the alter operation at the time of specifying an image file.

[0085] The top page edit display 410 shown in drawing 7 is a screen for creating the top page first displayed on a website in preparation. As shown in this drawing, the top page edit display 410 is divided into two frames extended to a lengthwise direction, and alter operation is possible in screen left-hand side. In screen left-hand side, the company name input section 411 is arranged by the top page edit display 410 at the upper part, and the background input section 412 is arranged in the lower part at the detail. Furthermore, the title LOGO input section 413, the image specification part 414, the comment input section 415, and the basic information input section 416 are arranged in order at the lower part.

[0086] The text input box for inputting a company name is arranged, and a company name is inputted into the company name input section 411 by actuation of an input unit 45. The company name inputted into this company name input section 411 is set up as a meta-tag of the web page created at step S31 or step S32 of drawing 5 (b).

[0087] The background input section 412 is the input area for inputting about the background of a web page, and the common-name radio button for choosing use / un-using it is arranged. [of the image used as the background of a web page] Here, only the color of a background can be chosen when not using an image as a background. Moreover, when using an image as a background, a desired image can be chosen out of the wallpaper sample prepared beforehand. The contents of the alter operation in this background input section 412 are shown in drawing 8 (a).

[0088] If the radio button of the side which uses an image as a background in the background input section 412 is chosen and selection assignment of the link carbon button of "the wallpaper sample 1" is carried out by click actuation of for example, mouse 45a as shown in drawing 8 (a), pop-up box 412a will be displayed. Into pop-up box 412a, a list indication of the selectable background image is given. And if selection assignment of the image of the request in pop-up box 412a is done by the user, this image will be specified by him as a background of a web page. In addition, if selection assignment of the link carbon button of the "wallpaper sample 2" shown in drawing 8 (a) is carried out, a different pop-up box from pop-up box 412a will be displayed, and a list indication of the different background image from pop-up box 412a will be given into this pop-up box.

[0089] In the top page edit display 410 shown in drawing 7, the title LOGO input section 413 is the input area for inputting about the title LOGO displayed on the upper part of a web page, and the text input box for inputting the radio button for choosing use / un-using it and the alphabetic character of a title LOGO, the size and the color of an alphabetic character, and the pulldown key that can selection specify an ornament are arranged. [of the image in a title LOGO part] The contents of the alter

operation in this title LOGO input section 413 are shown in drawing 8 (b).

[0090] As shown in drawing 8 (b), reference carbon button 413a and the pulldown keys 413b, 413c, and 413d are arranged at the title LOGO input section 413. Reference carbon button 413a is a carbon button which chooses an image, and in case an image is chosen, actuation shown in drawing 8 (c) mentioned later is performed following actuation of reference carbon button 413a.

[0091] The pulldown keys 413b, 413c, and 413d shown in drawing 8 (b) are the carbon buttons for specifying the ornament to the display size of the alphabetic character of a title LOGO, the foreground color of an alphabetic character, and an alphabetic character, respectively. And if selection assignment of the pulldown keys 413b, 413c, and 413d is carried out by actuation of an input unit 45, the pulldown tab 421,422,423 is displayed and a desired item can be chosen out of the item by which it was indicated by the list into the pulldown tab 421,422,423. For example, if selection assignment of the pulldown key 413b is carried out, the pulldown tab 421 will be displayed. As a selectable character size, four kinds of sizes, "smallness", "inside", "size", and extra-large ["extra-large"], are shown by the pulldown tab 421, and a user can specify a desired character size as it out of this.

[0092] When reference carbon button 413a is operated by drawing 8 (c), the selection window 424 for specifying an image file is shown in it. If selection assignment of the reference carbon button 413a is carried out, the selection window 424 will be displayed on the screen of the top page edit display 410. The selection window 424 is a window for specifying the file stored in the storage 43 with which a client 4 is equipped. The Cancel button 428 grade for canceling selection of the assignment carbon button 427 for deciding the file specified as the selection window 424 in the pull down menu 425 for specifying the storage area and drives of a store 43 and the list display box 426 where a list indication of the file included in the specified storage area is given, and the list display box 426, and an image is arranged.

[0093] Thus, according to the selection window 424, the image file memorized by the storage 43 with which a client 4 is equipped can be specified as arbitration. In addition, the selection window 424 is displayed in piles on the top page edit display 410 according to actuation of directing assignment of an image, when other "reference" carbon buttons arranged not only at the actuation of reference carbon button 413a shown in drawing 8 (b) but at the top page edit display 410 are operated.

[0094] Return and the image specification part 414 are the input area for choosing the image displayed on a top page in preparation as an image for top pages, and the carbon button for specifying use / un-using it etc. is arranged at drawing 7 . [of an image]

[0095] Moreover, the comment input section 415 is the input area for inputting the comment displayed on a top page in preparation, and the pulldown key for specifying the text input box into which a comment is inputted, and a background color etc. is arranged.

[0096] Furthermore, if the basic information input section 416 is the input area for inputting the fundamental information which should be transmitted to the user who peruses the website concerned, for example, it is the web page which introduces a store, the text box for inputting the address of this store, the telephone number, a FAX number, business hours, a holiday, an e-mail address, etc. will be arranged. In addition, in the example shown in drawing 7 , although the basic information inputted in the basic information input section 416 is suitable for the website which introduces a store, of course, it is also possible to consider as the format that different information according to the purpose of a website can be inputted.

[0097] And the transmitting carbon button 417 and the reset button 418 are arranged at the bottom of the top page edit display 410. Processing which is the carbon button transmitted to a server 3 through the Internet 2, and shows the contents as which the transmitting carbon button 417 was inputted by the input device 45 in the top page edit display 410 to step S16 of drawing 5 (a) by actuation of the transmitting carbon button 417 is performed. In addition, at the time of actuation of the transmitting carbon button 417, the data of the image specified using the selection window 424 shown in drawing 8 (c) besides the contents of an input by the input unit 45 etc. are transmitted to a server 3. Moreover, a reset button 418 is a carbon button for clearing all the contents of an input in the top page edit display 410.

[0098] Furthermore, the pattern annunciator section 419 is arranged on the right-hand side of the top

page edit display 410 shown in drawing 7 : The pattern annunciator section 419 shows the display position in a top page of the contents inputted into each input area of the top page edit display 410. For example, it is displayed on the location where a title LOGO is displayed in the upper part of the pattern annunciator section 419 as "3." This shows that the contents of an input in the title LOGO input section 413 to which the sign of (3) was given in the top page edit display 410 are displayed on the top page upper part. Similarly the image specified with the image specification part 414 In a top page in preparation, it is displayed on the location displayed as "4" in the pattern annunciator section 419, and the contents of an input in the comment input section 415 It is displayed on the location displayed as "5" in the pattern annunciator section 419, and the contents of an input in the basic information input section 416 are displayed on the location displayed as "6."

[0099] That is, the location as which, as for each input area of the company name input section 411 arranged at the top page edit display 410, the background input section 412, the title LOGO input section 413, the image specification part 414, the comment input section 415, and the basic information input section 416, the contents of an input are beforehand displayed in a top page is defined, and the pattern annunciator section 419 shows the location in the top page to which each input area corresponds.

[0100] Therefore, the user who operates a client 4 can create a top page by performing alter operation, referring to the pattern annunciator section 419, where the top page edit display 410 is displayed, checking the image of the page created.

[0101] Drawing 9 is drawing showing the web page display screen 430 as an example of the screen where the web page created by the actuation in the top page edit display 410 is displayed. This web page display screen 430 is displayed on the display 46 of a client 4, after the transmitting carbon button 417 of the top page edit display 410 shown in drawing 7 is operated.

[0102] In the web page display screen 430 shown in drawing 9 It is based on the contents of an input in the title LOGO input section 413 of the top page edit display 410 (drawing 7). It is based on the contents of an input in the title LOGO display 431 as which a title LOGO is displayed, and the image display section 432 and the comment input section 415 as which the image specified in the image specification part 414 is displayed. The basic information-display section 434 as which basic information is displayed based on the contents of an input in the comment display 433 and the basic information input section 416 as which a comment is displayed is arranged.

[0103] That is, CPU31 creates a web page as shown in drawing 9 by arranging an alphabetic character and an image in the location defined beforehand based on the contents of an input transmitted from the client 4 by processing in step S31 or step S32 of drawing 5 (b). And the created web page is stored in the web space in the website storing section 300 matched with the user who operates a client 4, and perusal of it is attained, and it is displayed on the display 46 of a client 4.

[0104] Here, when you wish renewal of the web page displayed on the web page display screen 430, by actuation of the web browser which displays the web page display screen 430 "returning", again, the user who operates a client 4 displays the top page edit display 410 (drawing 7), and should just perform alter operation. And the contents inputted by this alter operation are processed as "retransmission of message" by processing shown in step S30 of drawing 5 (b), and the corresponding web page is updated.

[0105] As mentioned above, if according to the website automatic creation system 1 in the gestalt of operation of this invention the client 4 and server 3 which a user operates are connected through the Internet 2, it accesses from a client 4 to a server 3 and creation of a web page is required, the authentication screen 400 will be transmitted to a client 4 by the server 3. Alter operation in the authentication screen 400 is performed by the client 4 here, and if the user ID and the password which were entered are transmitted to a server 3, a server 3 will collate with the information which received user ID and a password and was stored in User Information storing section 33a. And when the user ID and the password which were received are in agreement with the information in User Information storing section 33a, CPU31 searches for the web space which has the information which is in agreement with the user ID and the password which were received in the website storing section 300. And when

there is a web space in agreement, CPU31 performs creation processing of the web page which stores this web space in this web space as a web space corresponding to user ID. Moreover, since the Internet address of a proper is assigned to the web space prepared in the website storing section 300, perusal of the created web page is immediately attained by the client 4, the client 5, and -- through the Internet 2. [0106] Therefore, by operating a client 4 and entering user ID and a password, a user makes a web page create in the web space assigned to itself, and can create a website easily. Since the Internet address of a proper is especially assigned to the web space in the website storing section 300 and a user does not need to acquire a domain by himself, even if it is a user deficient in the knowledge of a network or a computer, it can use easily.

[0107] And a server 3 transmits the creation screen for creating a web page to a client 4, displays on a display 46 the creation screen transmitted from the server 3 in a client 4, and receives the alter operation by the input unit 45. Then, if the contents of the alter operation performed on the creation screen are transmitted to a server 3 by the client 4, a server 3 creates a web page based on the contents of an input, and stores it in the web space in the website storing section 300 by it. For example, a server 3 transmits the top page edit display 410 as a creation screen. Two or more input area which embraced the class of information displayed on the company name input section 411, the background input section 412, the title LOGO input section 413, the image specification part 414, the comment input section 415 and basic information input section 416 grade, and a top page is arranged at the top page edit display 410. For this reason, a user should just input the information corresponding to each input area of the top page edit display 410. And a top page as shown in the web page display screen 430 is created by being arranged in the location where the information inputted into each input area of the top page edit display 410 was beforehand defined by the server 3 based on the contents of an input.

[0108] Therefore, since a user does not need to decide all of the alphabetic character in a web page, the layout of an image, the number of images, etc. by himself, even if it is a user without the knowledge of examining and determining all the elements in a web page, or experience, the information corresponding to each input area is inputted, and the web page of the performance more than fixed extent can be created easily. For this reason, the environment which creates a web page can be offered also to the user who keeps at arm's length the complicated activity which relates to many processes like the conventional web page creation software, and it is not necessary to pay a large amount of remuneration and to request creation of a web page from a web page creation contractor.

[0109] Furthermore, about the web page created by the server 3, when it desires renewal of the contents, a user displays the top page edit display 410 again by accessing a server 3 again or operating web browser software, and should just perform alter operation. For this reason, by very easy actuation, since renewal of a web page can also be performed by itself easily, it can carry out by low cost also about employment of a web page. Moreover, since the web page creation processing by the server 3 does not pass through the hand of men other than the user who operates a client 4, a user can perform creation and renewal of a web page using time amount with his sufficient convenience. For this reason, the website automatic creation system 1 with very high convenience can be offered.

[0110] Moreover, if the number of the alternative displayed on pop-up box 412a (drawing 8 (a)) or the pulldown tab 421,422,423 (drawing 8 (b)) is made [many] for example, even if it will use the top page edit display 410, various web pages can be created. Furthermore, the image stored in the store 43 of a client 4, for example using the selection window 424 (drawing 8 (c)) can be specified as an image arranged in a web page. for this reason, easy actuation -- and it is also possible to create an individual web page.

[0111] And if the client 4 is available in the web browser software which is equipped with mouse 45a, keyboard 45b, etc. which are a common input device, and has generally spread widely, it is good. Namely, what is necessary is just very ordinary equipment which can peruse an alphabetic character input and the website on the Internet 2. For this reason, in the website automatic creation system 1, by using a server 3, since the special software or the hardware for creating a web page are not needed, a web page can be created very cheaply and easily.

[0112] Furthermore, in a server 3, by giving security countermeasures, such as SSL, leakage of the

contents inputted in a client 4 can be prevented, and the dependability in a security side can be raised. [0113] In addition, in the gestalt of the above-mentioned implementation, although the client 4 considered as the configuration equipped with an indicating equipment 46, mouse 45a, or keyboard 45b, the alphabetic character input and directions input by the pen tablet which is not limited to this and was united with the screen, two or more keys, etc. may be possible for this invention, and as long as it carries the web browser, they may be PDA and pocket mold telephone. Furthermore, the web page created by the server 3 can also create the web page which specialized for the pocket mold telephones which carried the web browser by not being restricted to the web page created by usual computer, for example, changing the configuration of the top page edit display 410 etc. Moreover, it cannot be overemphasized that various modification is possible within the limits of the technical thought which this invention is not limited to the above-mentioned gestalt of operation, and was indicated to the claim also about other details configurations.

[0114] For example, the web page created by the website automatic creation system 1 can also create two or more web pages from which it is not restricted to the top page shown in the top page edit display 410 of drawing 7, but an appearance differs. Hereafter, this example is explained with reference to each drawing of drawing 10 - drawing 13.

[0115] Drawing 10 - drawing 13 are drawings showing the case where two or more web pages are created by the website automatic creation system 1, as a gestalt of other operations of this invention. It is drawing showing the edit display 440 displayed on the indicating equipment 46 of a client 4 by it in case drawing 10 creates in a detail the website which consists of two or more web pages, and drawing 11 is drawing showing the frame design selection screen 450 for changing the configuration of the web page to create. Moreover, drawing 12 is drawing showing the example of the page pattern of a selectable web page, and drawing 13 is drawing showing the site setting screen 470 for setting up the configuration of the website containing two or more web pages.

[0116] In case an edit display 440 creates the website which consists of two or more web pages, it is a creation screen transmitted to a client 4 from a server 3. In addition, two or more web pages which constitute the website created here shall be stored in the same web space among the web spaces prepared in the website storing section 300. The page link 441, the frame design modification carbon button 442, and the preview carbon button 443 are arranged at the edit display 440.

[0117] The link carbon button to two or more web pages contained on the website to create is arranged and constituted, and the page link 441 also serves as a menu display of each web page. If selection assignment of each link carbon button of the page link 441 is done by the user who operates a client 4, by him, a server 3 will shift to creation of a corresponding web page.

[0118] The preview carbon button 443 is a link carbon button for directing the display of a preview about the web page created by the various actuation performed where an edit display 440 is displayed. That is, if selection actuation of the preview carbon button 443 is carried out when two or more web pages are created by the server 3 based on the contents of an input in a client 4, the preview of each web page will be displayed on a screen. Thereby, the user who operates a client 4 can create a web page, checking the result of a web page by preview.

[0119] And when the alter operation in an edit display 440 is completed, the contents of an input in a client 4 are altogether transmitted to a server 3, a web page is created in a server 3, and it is stored in the web space in the website storing section 300. And perusal of the created web page is attained by the client 5, and -- and a client 4 through the Internet 2.

[0120] The frame design modification carbon button 442 is a link carbon button which directs modification of the design of a frame about the web page corresponding to each link carbon button of the page link 441. If selection assignment of the frame design modification carbon button 442 is done by the user who operates a client 4, by him, a server 3 will transmit the frame design selection screen 450 for changing a frame design to a server 3.

[0121] Here, the configuration of the frame design selection screen 450 is explained. Two or more frame designs are displayed on the frame design selection screen 450 shown in drawing 11, and two or more radio buttons 451 for choosing each frame design and -- are arranged on it.

[0122] On the website constituted including two or more web pages, in case each web page is displayed by the web browser, the menu in which other web pages in the website which contains this web page with a web page are shown may be displayed. In this case, on a screen, a menu and a web page are divided and expressed as a frame, and the common name of such a screen is carried out to the frame screen. The frame design selection screen 450 shown in drawing 11 is for choosing the frame design which shows the arrangement condition of the menu at the time of being displayed by the web browser, and a web page.

[0123] Where the frame design selection screen 450 is displayed on a screen, selection actuation by the user is performed in a client 4. And selection of frame designing [which a user wishes] displays a check mark on the radio button 451 arranged beside the selected frame design.

[0124] Here, if selection assignment of the transmitting carbon button 452 is carried out, the information concerning the selected frame design will be transmitted to a server 3 from a client 4. Moreover, if selection assignment of the reset button 453 is carried out, the selection condition of a frame design will be cleared.

[0125] Thus, the arrangement condition of a menu and a web page can be made the design of arbitration by using the frame design selection screen 450.

[0126] Moreover, the example of the page pattern of the web page created by the server 3 is shown in drawing 12. The page pattern 461 serves as a layout of the topmost title LOGO by which an image, a comment, and basic information have been arranged caudad in order, and the page pattern 462 serves as a layout by which two or more items of a title LOGO have been arranged at juxtaposition caudad. Moreover, the page pattern 463, the page pattern 464, and the page pattern 465 serve as a layout different, respectively.

[0127] Interest nature may be missing when creating two or more web pages, and all pages consist of same layouts. However, a user can choose the layout according to the purpose of each web page from the page patterns 461 and 462 shown in drawing 12, and -- by choosing a desired layout. And the web page according to the selected page pattern is created by transmitting the creation screen corresponding to the page pattern chosen here to a client 4 from a server 3.

[0128] Therefore, in case a user creates the website constituted by two or more web pages, he can consider the layout of each web page as the configuration which is rich in the variation according to the purpose of each web page. In this case, since a user does not need to originate the layout of each page by himself, even if he is a user deficient in knowledge and experience, he can create the website which is rich in a variation by easy actuation.

[0129] In addition, strictly, the page patterns 461 and 462 shown in drawing 12 and -- illustrate the layout of the web page which can be created in the website automatic creation system 1, and it is needless to say that it is usable in more layouts about the arrangement condition of each object, such as a configuration of a viewing area, size and an alphabetic character, and an image.

[0130] And about two or more web pages created by the actuation in each above screen, a display order can be changed with the site setting screen 470 shown in drawing 13.

[0131] The page pattern display section 471 which shows the page pattern of each web page to the site setting screen 470, the page name display 472 which shows the name of each web page, and the display-order display 473 which shows the display order of each web page are arranged, and the information on each web page is displayed on each display sequentially from the top. For example, the information about a top page is displayed on the topmost part of the site setting screen 470. Therefore, the page pattern displayed on the topmost part of the page pattern display section 471 serves as a "top page" which shows the page pattern set to top pages.

[0132] Moreover, in the page name display 472, the text input box which can input the name of each web page is arranged, and the check box for setting a display / un-displaying to the left of each text box is arranged. [of each web page] Whenever selection assignment of this check box is carried out by actuation of an input device 45, the existence of a check changes, and perusal through the Internet 2 is forbidden about a web page without a check. For this reason, the alter operation in the page name display 472 can perform a setup of the name of each web page, the display of each web page / non-

display change. In addition, the name of each web page set as the page name display 472 is automatically reflected in the page link 441 in the edit display 440 of drawing 10, and the menu by which it is indicated by the frame.

[0133] And the display frame of a display order and the UP/DOWN key 474 for changing a display order are arranged at the display-order display 473. By actuation of the UP/DOWN key 474, the display order of each web page can be set as arbitration. In addition, among the site setting screen 470, although this web page is not to be displayed since the check of the check box of the page name display 472 has separated about the web page shown in the bottom, the display order is set as "7." This is for preventing duplication of the display order of each web page etc., and actuation of the check box of the page name display 472 performing a display / non-display change promptly.

[0134] As mentioned above, in the website automatic creation system 1, it is also possible to create the website containing two or more web pages by transmitting an edit display 440, the frame design selection screen 450, and various kinds of creation screens of site setting screen 470 grade to a client 4, and transmitting the contents of an input inputted at the time of the display of the above-mentioned creation screen to a server 3 in a client 4 from a server 3. Moreover, a more variegated website can be created, if many creation screens are transmitted from a server 3, and the contents of an input at the time of the display of these creation screen are transmitted to a server 3 from a client 4, namely, the frequency of the data communication between a server 3 and a client 4 is changed.

[0135]

[Effect of the Invention] Since a web page can be created and exhibited only by performing easy actuation in which a user specifies an object according to the website listing device of invention according to claim 1, and the record medium of invention according to claim 7 as explained above, even if it is a network, the knowledge of a computer, and a user deficient in use experience, its favorite web page can be created and exhibited easily. Since the arrangement information which shows the arrangement condition of the object in a web page is especially transmitted from a website listing device to a terminal unit, arrangement of the object in a web page is beforehand defined, even if a user does not specify. Therefore, since a user does not need to originate all the configurations of a web page, even if it is an unfamiliar user, a web page can be created easily.

[0136] Since what is necessary is just to input the information which specifies an object as input area, looking at the screen where the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object was displayed, the user who uses a terminal unit according to the website listing device of invention according to claim 2 can create a web page easily according to a easier activity, and even if he is the shallow unfamiliar user of experience, he can create a web page easily.

[0137] According to the website listing device of invention according to claim 3, in a website automatic listing device, it is stored in the storing field corresponding to the identification information to which the created web page was transmitted by transmitting identification information from a terminal unit. Thereby, in a website automatic listing device, service of website automatic creation can be efficiently offered to two or more users.

[0138] According to the website listing device of invention according to claim 4, the user using a terminal unit can create a web page using the arrangement information on desired out of different arrangement information. For example, if the arrangement information on desired is chosen out of two or more arrangement information that the layouts of an object differ, the web page suitable for liking of it can be created with a higher degree of freedom.

[0139] The user who uses a terminal unit according to the website automatic creation system of invention according to claim 5 and the website automatic creation approach of invention according to claim 6 should just input the information which specifies an object as input area, looking at the screen where the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object was displayed. Moreover, since the Internet address of a proper is given to the storing field, even if a user does not work acquiring an original domain name etc., the created web page is exhibited on the Internet. Since a web page can be created

and exhibited only by a user performing easy actuation by this, even if it is a network, the knowledge of a computer, and a user deficient in use experience, its favorite web page can be created and exhibited easily.

*** NOTICES ***

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- 1.This document has been translated by computer. So the translation may not reflect the original precisely.
- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] It is the website automatic listing device which it comes to connect through a communication line to the terminal unit which a user operates. A website storing means by which the storing field where it matched with said user and the Internet address of a proper was given was prepared, An arrangement information transmitting means to transmit the arrangement information which shows the arrangement condition of the object in a web page to said terminal unit, A receiving means to receive the data transmitted from said terminal unit according to the arrangement information transmitted by said arrangement information transmitting means, A web page creation means to create the web page by which said object has been arranged according to the arrangement information which generated the object based on the data received by said receiving means, and was transmitted by said arrangement information transmitting means, The website automatic listing device characterized by having the website storing control means which makes the web page created by said web page creation means store in the storing field in which it was prepared by said website storing means.

[Claim 2] Said arrangement information transmitting means is a website automatic listing device according to claim 1 characterized by transmitting the arrangement information for displaying on said terminal unit a screen including the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object.

[Claim 3] It is the website automatic listing device according to claim 1 or 2 which two or more storing fields where the identification information of a proper was given to said website storing means with the Internet address of a proper, respectively are prepared, and said website storing control means receives the identification information transmitted from said terminal unit, and is characterized by making the web page created by said web page creation means store in the storing field to which the identification information which received, and identification information in agreement were given.

[Claim 4] Said arrangement information transmitting means is a website automatic listing device given in either of claims 1-3 characterized by transmitting the arrangement information specified by said terminal unit among said two or more different arrangement information to said terminal unit.

[Claim 5] It is the website automatic creation system which comes to connect the terminal unit which a user operates, and a website automatic listing device through a communication line. Said website automatic listing device A website storing means by which the storing field where it matched with said user and the Internet address of a proper was given was prepared, The information which shows the location where an object is arranged in a web page, An arrangement information transmitting means to transmit the arrangement information for displaying on said terminal unit a screen including the input area for inputting the information which specifies an object, An input data receiving means to receive the input data transmitted from said terminal unit according to the arrangement information transmitted by said arrangement information transmitting means, An object is generated based on the input data received by said input data receiving means. A web page creation means to create the web page by which said object has been arranged according to the arrangement information transmitted by said arrangement information transmitting means, It comes to have the website storing control means which

makes the web page created by said web page creation means store in the storing field in which it was prepared by said website storing means. A receiving means to receive the arrangement information transmitted by arrangement information transmitting means by which said website automatic listing device has said terminal unit, A display means to display a screen including the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object based on the arrangement information received by said receiving means, An input means to input the information which specifies an object where said screen is displayed by said display means, The website automatic creation system characterized by having a transmitting means to transmit to said website automatic listing device by using as input data information inputted by said input means.

[Claim 6] It is the website automatic creation approach in the website automatic creation system which comes to connect the terminal unit which a user operates, and a website automatic listing device through a communication line. By said website automatic listing device The information which shows the location where an object is arranged in a web page, A screen including the input area for inputting the information which specifies an object The data which transmit the arrangement information for making it display with said terminal unit, and are transmitted from said terminal unit according to said transmitted arrangement information are received. Based on said received data, generate an object, and the web page by which said object has been arranged according to said arrangement information is created. While said created web page is stored in the storing field which was established in said user by matching and to which the Internet address of a proper was given, with said terminal unit Receive the arrangement information transmitted from said website automatic listing device, and it is based on said received arrangement information. Where it displayed the screen including the input area for inputting the information which shows the location where an object is arranged in a web page, and the information which specifies an object and said screen is displayed The website automatic creation approach characterized by transmitting to said website automatic listing device by using inputted information as input data if the information which specifies an object is inputted.

[Claim 7] It is the record medium which stored the control program of the website automatic listing device which it comes to connect through a communication line to the terminal unit which a user operates. The program code for transmitting the arrangement information which specifies the arrangement condition of the object in a web page to said terminal unit, The program code for receiving the data transmitted from said terminal unit according to the transmitted arrangement information, The program code for creating the web page which generates an object based on said received data and by which said object has been arranged according to said arrangement information, The record medium characterized by storing the program containing the program code for storing said created web page in the storing field which was established in said user by matching, and to which the Internet address of a proper was given.